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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=21; hr=12; min=46; sec=33; ms=945;]

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Application No: 10538736 Version No: 1.0

Input Set:

Output Set:

Started: 2009-01-13 20:47:31.439
Finished: 2009-01-13 20:47:31.706
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 267 ms
Total Warnings: 0
Total Errors: 2
No. of SeqIDs Defined: 2
Actual SeqID Count: 2

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (1)

SEQUENCE LISTING

<110> UNIVERSITA? DEGLI STUDI DI TORINO

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<120> MELUSIN, A MUSCLE SPECIFIC PROTEIN, AS A DRUG TARGET FOR PREVENTION
AND TREATMENT OF HEART FAILURE

<130> 4636-25 / BUS5222-CF

<140> 10538736

<141> 2009-01-13

<150> PCT/IT2002/000807

<151> 2002-12-19

<160> 2

<170> MS Word

<210> 1

<211> 350

<212> PRT

<213> Mus musculus

<400> 1

Met Ser Leu Leu Cys Tyr Asn Lys Gly Cys Gly Gln His Phe Asp Pro
1 5 10 15

Asn Thr Asn Leu Pro Asp Ser Cys Arg Tyr His Pro Gly Val Pro Ile
20 25 30

Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val
35 40 45

Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Val Gly Leu His
50 55 60

Cys Ala Glu Lys Leu Pro Glu Val Pro Pro Gln Pro Glu Gly Pro Ala
65 70 75 80

Thr Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Thr Ile Pro Lys Ser
85 90 95

Ala Glu Thr Leu Phe Arg Glu Arg Pro Lys Ser Glu Met Pro Pro Lys
100 105 110

Leu Leu Pro Leu Leu Ile Ser Gln Ala Leu Gly Val Ala Leu Glu Gln
115 120 125

Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Asn Ser Leu Ile
130 135 140

Trp Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln
145 150 155 160

Gly Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro
165 170 175

Arg Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr
180 185 190

Leu Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg
195 200 205

His Asp Trp Ala Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His
210 215 220

Gln Thr Asp Ser Val Val Val Leu Thr Val Tyr Gly Gln Ile Pro Leu
225 230 235 240

Pro Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His
245 250 255

Ile Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp
260 265 270

Gly Val Ile Asn Val Glu Gln Ser Ser Val Ser Leu Met Pro Ser Arg
275 280 285

Val Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu
290 295 300

Glu His Pro Asp Ser Leu Ala Glu Lys Ala Arg Ala Gly Val Leu Leu
305 310 315 320

Glu Met Asp Glu Glu Ser Glu Asp Ser Asp Asp Asp Leu Ser Trp
325 330 335

Thr Glu Glu Asp Glu Glu Glu Glu Ala Met Gly Glu
340 345 350

<210> 2

<211> 347

<212> PRT

<213> Homo sapiens

<400> 2

Met Ser Leu Leu Cys Arg Asn Lys Gly Cys Gly Gln His Phe Asp Pro
1 5 10 15

Asn Thr Asn Leu Pro Asp Ser Cys Cys His His Pro Gly Val Pro Ile
20 25 30

Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val

35

40

45

Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Met Gly Pro His

50

55

60

Cys Ala Glu Lys Leu Pro Glu Ala Pro Gln Pro Glu Gly Pro Ala Thr

65

70

75

80

Ser Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Val Ile Pro Lys Ser

85

90

95

Ala Glu Thr Leu Arg Arg Glu Arg Pro Lys Ser Glu Leu Pro Leu Lys

100

105

110

Leu Leu Pro Leu Asn Ile Ser Gln Ala Leu Glu Met Ala Leu Glu Gln

115

120

125

Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Ser Leu Ile Arg

130

135

140

Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln Gly

145

150

155

160

Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro Arg

165

170

175

Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr Leu

180

185

190

Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg His

195

200

205

Asp Trp Gly Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His Gln

210

215

220

Thr Asp Ser Leu Val Val Val Thr Val Tyr Gly Gln Ile Pro Leu Pro

225

230

235

240

Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His Ile

245

250

255

Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp Gly

260

265

270

Val Ile Asn Val Glu Gln Ser Ser Val Phe Leu Met Pro Ser Arg Val

275

280

285

Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu Glu

290

295

300

His Pro Asp Ala Leu Ala Lys Lys Ala Arg Ala Gly Val Val Leu Glu

305

310

315

320

Met Asp Glu Glu Glu Ser Asp Asp Ser Asp Asp Asp Leu Ser Trp Thr

325

330

335

Glu Glu Glu Glu Glu Glu Ala Met Gly Glu

340

345